Box	No. I Basis of this opinion	
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it filed, unless otherwise indicated under this item.	was
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (u	nder
	Rule 12.3 and 23.1(b)).	
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the clainvention, this opinion has been established on the basis of:	imed
	a. type of material	
	a sequence listing	
	table(s) related to the sequence listing	
	b. format of material	
	in written format	
	in computer readable form	
	c. time of filing/furnishing	
	contained in the international application as filed.	
	filed together with the international application in computer readable form.	
	furnished subsequently to this Authority for the purposes of search.	
	Turnsace subsequently to this Authority for the purposes of search.	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been file furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application filed or does not go beyond the application as filed, as appropriate, were furnished.	
4.	Additional comments:	
	$\cdot$	

	nations supporting such sta	nement	<del></del>	
Statement				
Novelty (N)	Claims 1-21			YI
	Claims			NO
Inventive step (IS)	1 01			
inventive step (13)	Claims 1-21			YI
	Claims			NO
Industrial applicability (IA)	Claims 1-21			YI
	61.			NO
Citations and explanations:				
See supplementa	l sheet			
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Box No. VIII							<del>~</del>	
The following the description	ng observations on the clarity on, are made:	of the claims.	, description,	, and drawing:	s or on the qu	estion whether	the claims are fu	ally supported by
See	supplemental	sheet						
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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:

#### Boxes V and VIII

 The invention relates to a method and an apparatus for synchronously operating interacting devices.

Such methods/apparatuses are disclosed, for example, in the Offenlegungsschrift EP 0 507 955 Al or EP 1 052 560 Al. In that case, the devices are forced to synchronously interact using synchronization signals, for example a common clock signal.

2. It is an object of the present invention to specify an alternative method/apparatus in which signals with different clock rates can also be synchronized.

According to the invention, the object is achieved by means of the characterizing part of claims 1 and 12, to be precise by virtue of the fact that the signals which are at different frequencies and are associated with the different control systems are interpolated to a common system clock, thus making it possible to synchronize the signals.

- 3. This step of interpolating to a common clock signal is not disclosed in, or suggested by, any of the cited prior art documents.
- 4. It shall be noted that synchronization devices have already been disclosed in EP 0 507 955 A1, for

International application No.
PCT/EP2004/013807

Supplemental	Box										
	example,	and	thus	s be	elong	to	the	prea	amble.	. In	
	addition,	it	is r	not	clear	cly	evi	dent	from	claims	1

and 12 that it is the control signals which are interpolated to the common clock and not the clocks

of the individual control systems.

#### PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING, AUTH	ORITY		ANS
То:			PCT PCT
			RITTEN OPINION OF THE IONAL SEARCHING AUTHORITY
			(PCT Rule 43bis.1)
		Date of mailing (day/month/year)	See form PCT/ISA/210
Applicant's or agent's file reference	<del></del>	FOR FURTHER	ACTION
21141.6/04			See paragraph 2 below
International application No.	International filing date (	(day/month/year)	Priority date (day/month/year)
PCT/EP2004/013807	04.12.2004		09.12.2003
International Patent Classification (IPC) or G05B19/418	ooth national classification an	d IPC	
Applicant KUKA ROBOTER GMBH			
This opinion contains indications	relating to the following items	s:	
Box No. I Basis of	the opinion		
Box No. II Priority			
Box No. III Non-est	ablishment of opinion with re	gard to novelty, invent	ive step and industrial applicability
Box No. III Non-est.  Box No. IV Lack of  Box No. V Reasone	unity of invention		
Box No. V Reasone applicat	d statement under Rule 43bis ility; citations and explanatio		novelty, inventive step or industrial tement
Box No. VI Certain	documents cited		
<u>==</u>	defects in the international ap	plication	
Box No. VIII Certain	observations on the internatio	nal application	
International Preliminary Examin than this one to be the IPEA and this International Scarching Autho If this opinion is, as provided ab	ing Authority ("IPEA") except the chosen IPEA has notified ority will not be so considered ove, considered to be a writte propriate, with amendments, tion of 22 months from the pr	of that this does not ap If the International Bur I. In opinion of the IPE/ before the expiration	Il be considered to be a written opinion of the ply where the applicant chooses an Authority other reau under Rule 66.1 bis(b) that written opinions of A, the applicant is invited to submit to the IPEA at a of 3 months from the date of mailing of Form expires later.
3. For further details, see notes to Fo	rm PCT/ISA/220.		
None and mailing address of the IC ACC		Authorized office-	
Name and mailing address of the ISA/EP		Authorized officer	
Facsimile No.		Telephone No.	

Form PCT/ISA/237 (cover sheet) (January 2004)

Box	No. I	Basis of this opinion
1.		regard to the language, this opinion has been established on the basis of the international application in the language in which it was unless otherwise indicated under this item.
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4.	Addi	tional comments:
		·

ox NoV	Reasoned statement citations and expla	nt under Rule inations supp	43bis.1(a)(i) orting such st	with regard to atement	novelty, inve	ntive step o	r industrial a	pplicability;
Statement				*				
Novelty	(N)	Claims _	1-21					\
		Claims _						
Inventive	step (IS)	Claims	1-21					١
		_						
Industria	l applicability (IA)		1-21					
mostra	гаррпеаоппу (121)	_						•
		Ciams _		. <del>.</del>				'
Citations and	l explanations:					_		
See su	pplementa	l shee	Ł					
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The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:  See supplemental sheet
See supplemental sheet
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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:

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- 4. It shall be noted that synchronization devices have already been disclosed in EP 0 507 955 A1, for

International application No.
PCT/EP2004/013807

Supplemental Box

example, and thus belong to the preamble. In addition, it is not clearly evident from claims 1 and 12 that it is the control signals which are interpolated to the common clock and not the clocks of the individual control systems.